The 50 MH3 DX Bulletin

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The 50 MHz DX Bulletin was founded by Harry Schools, K3HS. It is dedicated to the understanding and utilization of long distance propagation in the 6-meter Amateur band. The current editor and publisher is Victor Frank, K6FV. Subscription rates are \$24 U.S. first class mail, \$27 Canada/Mexico airmail, and \$30 by airmail elsewhere for 12 issues. Payments may be made to k6fv through PayPal. Circulation matters and DX reports should be sent to Victor R. Frank, K6FV, 12450 Skyline Blvd., Woodside, CA 94062-4554 USA. My Internet address is victor.frank@sri.com. My web site is http://www.qsl.net/k6fv. The bulletin may be freely quoted, provided that credit is given.

DX Operations

Most of the listings in this column came from OZ6OM's 50 MHz DX News.

Namibia, V5: An international team is planning a VHF-only DXpedition January 5-19, 2009. They will be operating EME on 50, 144, 432, and 1296 MHz and meteor scatter to ZS on 50 and 144 MHz, and tropo to PY on 144 MHz. They are also planning satellite activity.

http://www.mmmonvhf.de/latest.php?id=2027

U.S. Virgin Is., KP2: A group of JAs plan 1.8-50 MHz operation from the KP2M rental radio shack between January 17 and 22.

Brazil, PY6: The Japy DX group plans 50-144-432 MHz operation from Bahia, HH18fd, from January 12-19, looking for the V5/KT6Q expedition.

South Cook Is., E51SIX: Lance, W7GJ is planning a 6m EME DXpedition from March 26 to April 4. More info on www.bigskyspaces.com/w7gj/E51SIX.htm

Niue Is., ZK2PM: Phil, VK3APM, is back on Niue for the next year and is QRV on 6, 2, and 0.7m with an IC706 and small amplifier.

Lord Howe Island, VK9L: A multi-national DXpedition is planning 1.8-50 MHz operation from two operating sites between March 23 and April 3.

Wallis and Futuna, FW: A group of three HAs is planning 20-6m operation between January 23 and February 23.

Nov-Dec 2008 DX Reports

The following reports of 50 MHz DX propagation are courtesy of K6QXY, JA1VOK, VE7SKA, and postings on the Internet including OH2AQ and the VK/ZL reflectors. Apologies to any sources I may have inadvertently neglected.

Listings obtained from the OH2AO reflector may include distances in kilometers, determined preferentially from the grids in the post, and otherwise from one or both of the prefixes of the calls. Note that the latter results in VERY rough approximations to the distances, especially for large countries and call areas.

Listings from the VK logger already have six digit grids and distances in kilometers. These have usually been shortened to fit in the available space.

The first entry is mmddhhii, where mm is the month, dd is the day of the month, hh is the hour UTC, and ii is the minutes after the hour. The year is understood to be 2008. Symbols just before the call of the reporting station include: V=Video Carrier, I=Inband video sidebands, F=FM audio, B=beacon, C=CW, D=Data (Snowtel?), J=Digital, typically JT6M or JT65A for EME, R=RTTY or repeater, S=SSB, W=mode not mentioned (or both CW & SSB), H=heard only. BSc = backscatter, Sc = scatter, MS = meteor scatter, TR =tropo, I/O = In and Out.

Reports of Asia

CHINA	1						
12280356	CHINA	TV	44>RF70CV	49	7.750	V	ZL2TPY

CYPRUS 12070928 5B4CY 599>JM87 1475 50.499 B IZ8DWF

KAZAKHSTAN

12161635 UN8GC 23DB EME 50.162 J W7GJ 12161701 UN8GC MN83>DM26 EME 50.162 J VE3CDX

LEBANON 12070841 OD5SIX 599>JM87 1650 50.077 B IZ8DWF

MALAYSIA. GENERAL

12060251	TVM-1	43>RF70CV 8819	48.239	V	ZL2TPY
12062234	TVM-1	32 OJ03 8819	48.239	V	ZL2TPY
12160813	TVM-1	44 OJ03>RF70CV	48.239	V	ZL2TPY
12190105	TVM-1	54 OJ03 8818	48.239	V	ZLZTPY
12191038	TVM-1	45>RF70CV 8818	48.239	V	ZL2TPY
12210943	9MTV S	55 OJ08 6661	48.239	V	VK3OT

MALAYSIA, SARAWAK 12210946 9M8TV 43 0J74MS 5472 48.249 V VK3OT

SINGAPORE 12190924 9V1UV 57 SELVA 5377 50.110 S VK4ABW

RUSSIAN FEDERATION

49.749 V VK3OT

TAIWAN

12110741 BV2NT >PM63 50.001 B JASCMO

THAILAND

032 HSTV 55 OK15 7167 48.239 V VK3OT

Reports of Europe

ATISTRIA

AUSII						
12051240	OE5MPL	JT6M 1361	50.230	J	LA7VH	
12061052	OESMPL	JN78CJ>1090IR	1145		G7RAU	
12081155	OE5MPL	16DB JT6M	50.230		EB2FJN	
12081843	OE5MPL	819	50.230	J	OZ8ZS	
12111813	OE5MPL	JN78CJ>JP50JA	1310		LA4LN	
12122052	OE5MPL	JT6M IO81SJ 14	166 248	H	G8VPG	
12131041	OE5MPL	JT6M 1262	50.228		G3VYF	
12131055	OE5MPL	JN78CJ>JO21LU	762		PE2PE	
12141041	OE5MPL	JN78CJ>I090PS	1105		G0CHE	
12171143	OE5MPL	JN78CJ>1090HW	50.230		G8HVY	

12171244 OE5MPL JT6M JN29UQ>JN78 230 J ON5QRP 12212002 OE5UAL JT6M Es 749 50.230 J PASJS

AZORES

50.110 CT1FMX 12082046 CU3BL -1752

BELGIUM

12061043	ON5LGS 5	5>JM/5FU	50.110		9HITM
12131044	ON4IQ MS	1047	50.227	J	LZ1UQ
					PA3GND
12171527	ONSQRP >	IM98PB JT	6M 1205	H	G3XGS/
12181550	ONSORP JI	N29UQ>109	0 486 .230		G8HVY
12201120	ONSORP TI	R JN29UQ>	JN37 261		HB9BIN
12201201	ONSORP FI	B BURSTS	FRANK .230	J	SP9HWY

BULGARIA

12101104	LZ1UQ	JT6M MS MITKO	1743	J	PASJS
12101332	LZ1UO	KN12QP>JN47GC	1284		HB9MFD
		MITKO 1605	50.227	J	SM7CMV
12131056	LZ1UQ	BURST>1081SJ	2162 227		G8VPG

CROATIA
12140935 9A2SB 599 JN95GM>J001FN 1485 G3VYF

CZECH REPUBLIC

12101159 OK1KT MS 826 50.227 J LZ1UQ 12112020 OK1KT JT6M 1280 50.230 J LA4LN 12132119 OK1KT JO70>KP10 1194 50.248 OH1MN

DENMARK

TANK ATAN	THICK			
11281433	OZ7IGY JO55VM>JN660A	1060	В	IV3GBO
11282125	OZ8ZS MS 991	50.230		OH5LID
11291547	OZ7IGY 419>JN660A	50.021	В	IV3GBO
12011724	OZ1DJJ JO65HP>JO32GF	549		PC7M
12011856	OZ7IGY JO55WM>JN660A	50.021	В	IV3GBO
12041137	OZ7IGY 519>JN54 1222	50.021	В	IW4BET
12051203	5Q3X MS 991	50.230		OH5LID
12070637	OZ7IGY 519 MS/Es>JN54	.021	В	IW4BET
12071901	OZ7IGY I/O 1146	50.021	В	IW4BET
12101836	OZ8ZS 1086	50.222	W	G4IGO
12111827	OZ2LD	50.194	W	SM2A
12120936	OZSAGJ JOS6DG>IO81VR	958		G4MQL
12131736	OZ7IGY 559 JO55WM>JN6	660A	B	IV3GBO
12131757	OZIBNN 55>JN65	50.155		S57RR
12132017	OZ71GY J055WM>1090IR	50.021	B	G7RAU
12132344	OZ7IGY JO55WM>JN66OA	50.021	B	IV3GBO
12142204	OZ4VW JT6M ARNE 567	50.235	J	PE2PE
12152050	OZ8ZS WSJT 1188	50.230		F8BBL
12202008	OZ1BNN JN37XH 1046	50.230	W	HB9BIN
12211957	07875 1086	50 230		COCUZ

ENGLAND

11301642 G3VY	F J001>J032 425	50.230	H PA4VHF
12011703 G4MC	L JT6M MS 1186	50.230	J OZ1DJJ
12022209 G8HV	Y 41 GRAHAM FSK	1 1202	SM7CMV
12032224 G1OA	R PETER 1052	50.230	W SMOEPO
12062779 (10)	P TORZSOS, TOARKM	960 230	T.ARNK

11301642 G3VYF J001>J032 425 50.230 H PA4VHF 12011703 G4MQL JT6M MS 1186 50.230 J OZ1DJJ 12022209 G8HVY 41 GRAHAM FSK4 1202 SM7CMV 12032224 G10AR PETER 1052 50.230 W SM0EPO 12052329 G10AR 1082SQ>J048KM 960 230 LA8NK 12060809 G10AR PETER 1192 50.230 J LA4ANA 12061004 GB3BAA 559 1091>JN81 50.016 B 127EUH 12070850 G3VYF JN01NJ>J001FN 1131 EA3GKU 12080917 G3VYF 859 50.230 W HB9BIN 12102303 G41GO JT6M MS KEN 1172 .230 J LA8NK	LUXEMBOURG 11291156 LX0SIX 539 JN39AV 406 .022 B DL0HEL 12010938 LX0SIX 429>JO50UF 406 .022 B DL0HEL 12112157 LX1FX FAST JT6M 801 50.131 J GW8ASD 12131930 LX1FX 15 MS 50.230 EA5/G3XGS 12141211 LX1FX 333 50.230 EA5/G3XGS 12141211 LX1FX 333 F0.123 HB9BIN 12160900 LX1FX -29DB EME>CM88 50.204 J K6QXY 12160952 LX1FX -23DB EME 8326 50.190 J W7GJ 12162308 LX1FX JT6M 1741 50.123 J CT1FFU	12011945 GM4WJA J76M 984 50.230 J OZ23W LA8NK 12131106 GM4VVX J76M 1078>J032 1006 J PC7M 12132228 GM4WJA 1075CH>K002JD 1698 S05AS 12140947 GM4VVX SSB MS 1036 50.175 S LA4NA 12141001 GM4WJA L075CH>K002JD 1313 EB1EHO 12141553 MM5AJW J76M MS 1036 50.215 J LA4ANA 12161640 MM5AJW J76M MS 1022 50.233 J LA4NA 12161640 MM5AJW J76M MS 1902 50.230 SP9HWY
12111200 G3VYF MIKE 1202	MALTA 11291451 9HITM 55>JM87 1216 50.140 IZ8DWF 12061018 9HITM 55>JM87AW 1216 50.140 S IZ8DWF 12061025 9HITM 55 285 50.110 ON5QRP 12061027 9HITM JM75>J032 1992 50.110 PA4VHF 12061047 9HITM 337 CQ 285 50.110 ON5LGS 12061101 9HITM JM75FU>IO90IR 2078 G7RAU 12070946 9HITM 57 285 50.110 ON5QRP	SERBIA 12071251 YU1KY JT6M KN04>J032 1366 J PC7M 12111742 YT1AR JT6M DRAGAN 1720 .214 J G3YYF 12111749 YT1AR MS 1720 50.214 J G4IGO 12111855 YT1AR JT6M DRAGAN 1246 .214 J PEZPE 12112202 YT1AR JT6M 1703 50.234 J LA4LN 12112205 YT1AR DRAGAN 50.234 J SMOEPO 12121945 YU1KY JT6M 10H 1246 50.234 J PA5JS 12122021 YU1KY JT6M 555 50.221 J SP9HWY 12122040 YU1KY JT6M 555 50.221 J SP9HWY 12122119 YU1KY JT6M 1246 50.230 J PEZPE 12122119 YU1KY JT6M 1720 50.230 J G3YYF
ESTONIA 12041642 ES3RF JT6M K029>J032 1399 PC7M 12042153 ES3RF JT6M GENA 1507 50.233 J PE2PE 12042204 ES3RF JT6M GENA 841 50.233 J SM7CMV 12042314 ES3RF JT6M MS 784 50.230 J LA9AKA 12051630 ES3RF 55A/57A 841 50.228 SM2CKR 121011429 ES3RF JT6M MS 784 50.225 J LA9AKA 12111137 ES3RF JT6M MS GENA 841 .227 J SM7CMV	11292114 PA5JS MS 1505 11301454 PA4VHF CQ JT6M 961 50.230 LA7VH 12012006 PA4VHF JT6M MS 1549 50.230 J EA1YV 12012073 PE1BTX -18DB EME JO22>EL96 KE4WBO 12072219 PE2PE 41 FREEK 666 50.233 J SM7CMV 12091957 PI4D 596 50.135 W G3VYF 12092200 PA5JS CQ MS 1505 50.230 OH5LID 12101605 PA5JS JO21>K029 1532 50.235 ES3RF 12102123 PE1BTX -18DB EME GERARD 196 ES4WBO	12131545 YT1AR DRAGAN JT6M 1188 .218 J SM7CMV 121312116 YU1KY KN04>J047 1665 50.226 OZ5AGJ 12132155 YU1KY JT6M KN04>J059 1798 J LA4ANA 12141300 YU1KY MS 1280 50.220 J PA2V SICILY 12081851 IT9CHU JT6M VINCE 778 .225 J 9A5CW 12102048 IT9CHU JT6M VINCE 1570 .223 J SP9HWY
### 12141505 ES3RF JT6M 1855	12111829 PEZPE JOZ1LU>JP50JA 977 230 LA4LN 12121459 PC7M J032GF51N73DM 1327 236 EB1EHO 12121651 PC7M JT6M TR ARIE 424 .238 J G3VYF 12122025 PC7M JT6M 2064 50.235 J CT1FJC 12132305 PA5JS J021TP>KP10DK 1416 OH1MN 12140929 PC7M J032GF51N73DM 1327 220 EB1EHO	12102128 IT9CHU JTEM 778 50.214 J 9A5CW 12131930 IT9CHU JTEM VINCE 622 .211 J ISOAWZ 12132221 IT9CHU VINCE JM76>JN88 1344 J OEISMC
11301519 OH5LID KP41>JO32 1652 .230 PA4VHF 12032133 OH5LID MS JT6M 933 50.230 LA8NK 12042010 OH5LID KP41>J032 1695 .230 PC7M 12052309 OH8MGK 55A 465 50.227 W ES3RF 12061802 OH5LID JT6M 933 50.230 J LA8NK 12082012 OH5LID KP41>J055 1234 .230 OZ8ZS 12091814 OH5LID CQ 991 50.230 OZ8AGJ	1214110 PA4VHF 599 JT6M 1910 50.235 J CT1FJC 12141252 PA2V >JN37XH 573 50.220 W HB9BIN 12170945 PA3GCU -25DB >CM88 50.203 J K6QXY 12201149 PEZJB JT6M MS JACO 50.230 J SP9HWY 12210831 PA5JS JO21 JT6M 1194 50.230 EB1EHO	12071102 S51DV CQ 368 50.100 9A1CCY 12081843 S51DI JT6M 1056 50.230 J OZ8ZS 12101121 S51YZ JN47GO>JN76DH 459 HB9MFD 12112055 S51YZ JN76>JM76 1111 50.214 IT9CHU 12131751 S57RR 1078 50.155 H OZ1BNN 12131910 S57RR BURST 932 50.150 H F6GEX 12132035 S51YZ 219 CQ MS 468 50.230 SP3RNZ
12101800 OH5LID JT6M MS 765 50.215 J LA4ANA 12102229 OH5LID JT6M MS 933 50.236 J LA8NK 12112045 OH7SQ 897 50.170 W SM2A 12112143 OH8MGK KP23PQ>JO90NH 1531 W SP9HWY 12122154 OH5LID CQ LOUD 2692 50.234 ON4IQ 12131328 OH5LID JT6M 1505 50.220 J PA2V 12132226 OH7KW KP52EA>JO48KM 1240 LA8NK 12141813 OH7KW KP52EA>JO55 50.230 W CZ8ZS 12131640 JWSSYZ 574 1422 50.067 R SM2CKR	NORWAY 11301420 LA7AJ CQ MS 847 50.230 OH5LID 12032216 LA9AKA JP99-KP41 998 50.227 W OH5LID 12042016 LA8AV JD59-KP41 1006 50.230 OH5LID 12072125 LA9AKA JT6M MS 568 50.233 J SM7CMV 12092230 LA5TFA MS JP99 1066 50.230 OH5LID 12101846 LA7AJ 1262 50.222 W G4IGO 12111856 LA8AV 559 1174 50.095 H SP6MLK	12132037 S57RR 764 12132110 S57RR 14DB BURST 779 50.232 IK1DPA 12141107 S57RR JN65UM-JN39CP 50.099 LX2LA 12141115 S57RR 599-JN58SP 384 50.095 DK1MAX 12200929 S57RR ROB 451 50.222 J SP9HWY SPAIN
12202217 OH8MCK JT6M MS/TR JOHN .230 J PA5JS 12212257 OH8MCK JT6M MS KARI 821 230 J LA4ANA FRANCE	12111901 LA4LN JP50JA>1091AL 1235 G4PCI 12112204 LA4LN 1703 12122023 LA7AJ >JN37XH 1407 50.230 W HB9BIN 12130934 LA5ZK 2560 50.230 OM4IQ 12132307 LA4ANA JO59CU>KP10DK 670 OH1MN 12141519 LA7AJ JO59BA>1083LB 1049 GW8ASD	12061018 EA3SIX 559 JN01VO 1111 .055 B G4FUF 12061120 ED7YAD 429 IM76QO 1999 .075 B DK2EA 12070820 EB1EHO IN73DM>JO32 1370 230 PA4VHF 12070847 EA3GKU ,EB1EHO >JO01FN .230 G3VVF 12081237 EA1YV IN52OC>JN78CJ 1915 OE5MPL 12101742 EB1EHO MS LUIS 1274 50.222 W PA5JS
11291632 FX4SIX JN06CQ>JN66OA 999 IV3GBO 12131745 F5OZF IN94>J047 1601 50.230 OZ5AGJ 12132315 F8BBL JT6M 706 50.230 J PE2PE 12152038 F8BBL CQ WSJT 988 50.230 DL6UO 12211821 F6GEX IN97>J055 1213 50.230 OZ8ZS	12151045 LA52K JT6M 1412 50.230 J G3YYF 12201549 LA4NAN JT6M 1686 50.230 J HA1YA 12211210 LA52K J059>J032 854 50.230 J PC7M 12212020 LA52K 2560 50.230 J PC7M 12212021 LA52K >JN37XH 1468 50.230 W HB9BIN	12101859 ENIEBO 1122 50.222 W G4IGO 12111121 EB1EHO LUIS JT6M 802 50.215 J G3VYF 12111745 EA3SIX JNO1VO>JM19KR 227 B EA6DX 12112253 EB1EHO JT6M 747 50.230 J CTIFJC 12121525 EB1EHO IN73DM>JO32GF 1327 PC7M 12121541 EB1EHO JT6M 802 50.230 H GOCHE
GERMANY 12031716 DL2LX 1842 12071043 DL8PM 1915 120710143 DL8PM J030BUJIN73DM 1207 12071132 DL8PM J030BUJIN73DM 1207 12071132 DL8PM J030BUJIN73DM 1207 12111742 DL5WP MS 178 12111742 DL5WP MS 1146 12140103 DLSWP MS 1146 12140103 DK1MAX JN58SP>1090IR 950 12141031 DK1MAX JN58SP>1090IR 950 12141036 DL8PM J030XPP41 1818 50.232 12162021 D12AM 52 1146 1015121 D12M 52 1146 101512 D12M 50 50.518	POLAND 12031800 SP9HWY JT6M 1241 50.230 J LA7VH 12041228 SP9HWY KP41 MS 1190 50.230 OH5LID 12092054 SP3RNZ JO92>KP41 1166 .223 W OH5LID 12101718 SP9HWY JO90NH>JO21LU 1002 PE2PE 12111842 SP9HWY JO90NH>JP50JA 1199 LA4LN 12111921 SP6MLK 559 50.230 W OH5LID 12112229 SP3MIP KP41 1368 50.230 W OH5LID 12132267 SP7SZG JO91>KP41 1266 .234 W OH5LID 12132247 SO5AS 1655 50.225 W G4IGO	12121754
GREECE 12132201 SV2DCD KN00>JM76 685 50.211 IT9CHU	12132247 SO5AS 1655 12140058 SP3RNZ J76M GREG 988 50.222 J PEZPE 12142230 SQ2BXI JT6M MARTIN 988 .225 J PEZPE 12151100 SP3RNZ J76M MGREG 1550 .222 J G3VYF 12151948 SP3RNZ J76M MS 1218 50.222 J LA4ANA	SWEDEN 11281522 SM3BIU JOHN 619 50.230 J PA5JS
HUNGARY 12091329 HG1BVB 519 JN86VK>JO80IK 451B SP6MLK 12112115 HA2RD JT6M 1645 50.230 J LA4LN	12200944 SP9HWY MS 451 50.222 S57RR 12201150 SP9HWY 26 JO22EE>JO90NH 230 PE2JB 12202117 SO5AS 1177 50.230 HB9BIN	12032037 SM4ANO MS ULF 707 50.230 W SP9HWY 12032147 SM0EPO JT6M PEO 666 50.230 J PEZPE 12041456 SM7CMV J075AM>IO90 1147 233 G8HVY 12041549 SM2CKR MS>KP03 995 50.230 OH5LID
IRELAND 12131934 EIOSIX 599 Es 1748 50.051 B CT1FFU	PORTUGAL 12061108 CSIRLA 429 IM57PX>JN78CJ B OE5MPL 12061124 CT1ART 559 2251 50.036 B DKIMAX 12061125 CSIRLA 579 2251 50.076 B DKIMAX	12071410 SK3SIX 55A 897 50.070 B OH6CT 12072124 SM7CMV JT6M MS 568 50.233 J LA9AKA 12091909 SM2CKR KP03>JO32 1509 .144 S PC7M 12101922 SM2CKR CQ JT6M 1082 50.230 G4PCI
ISLE OF MANN 12131551 GDOTEP JT6M ANDY 1149 .218 J SM7CMV 12141229 GDOTEP JT6M MS 1160 50.238 J LA4ANA 12141333 GDOTEP >JN37XH 1141 50.238 J HB9BIN	121102121 CTIFFU 1479 50.222 W G4IGO 12111934 CTIFJC MARK 1479 50.225 W G4IGO 12112252 CTIFJC IM570C>IN73DM 759 EBIEHO 12122021 CTIJFC IM570>J032 2064 .235 PC7M 12132047 CTIANO ,CTIFFU 1619 50.234 J PA5JS 12132047 CTIFJC IM570C>16190 FS 1649 G0CHE	12102315 SM7CMV JT6M MS KEN 50.233 J LA8NK 12111843 SM3BEI 55 JP81NG>JO80IK 1204 SP6MLK 12111941 SM3KRA 55A>KP23 1139 50.171 W OH8MGK 121112154 SM6WET JT6M MAGNUS 666 .237 J PEZPE 12131312 SM7CMV 1084 50.234 W HB9BIN 12131506 SMONCL JO99>KP41 590 50.222 OH5LID
TTALY 11291455 IZ8DWF 55>JM75FU 1241 .140 9H1TM 11301228 IZ1EPM 599 JN35TK 12W .019 B IWIDIH 12041153 IW4BET MS CARLO 50.221 W SP9HWY 12060948 IOJX JN61>JO32 1303 50.004 B PA4VHF 12070949 IOJX 579>JN18 450 50.005 B F6GCP 12071053 IK0FTA JN61>JO32 1303 .233 PA4VHF	12132109 CT1FJC JT6M MARK 1910 .234 J PASJS 12141028 CT1ART 539 IM67AH 1582 .036 B G7RAU 12141038 CS1RLA IM57PX>10901R 50.076 B G7RAU 12141057 CT1FJC CQ 2603 50.230 LABNK 12141103 CT1FJC 559 Es JN18 1465 230 F6GCP 12141109 CT0EA Es JO32 1990 50.110 PA4VHF	12140824 SM5FNU 1202 50.225 G4IGO 12141059 SM7CMV SOLID 1885 50.230 BEIEHO 12141701 SM4ANQ ULF 707 50.230 W SP9HWY 12142026 SM6BHZ 1202 50.445 B G4UFK 12152209 SM7CMV QJ JT6M 568 50.230 J PA5JS 12201937 SM2CKR , SM0EPO JT6M 508 50.230 J PA5JS 12201937 SM2CKR , SM0EPO JT6M 50.230 J PA5JS 12201937 SM2CKR 122019
12071102 IKOFTA JN61GV-JO01FN 1411 G3YYF 12112217 IK1PAG FANTASTIC 1633 .230 LA4LN 12112224 IK1PAG JN35>JM76 1203 .230 IT9CHU 12131009 IZ8DWF 59>JM75FU 1241 .140 9H1TM 12131746 IV3GBO JN66OA>JO55PM 1064 OZIBNN 12131756 IK1PAG CQ JT6M 1462 50.230 H CT1FJC 12140001 IK3CHK JT6M LARRY 722 .233 J PEZPE	ROMANIA 12122055 Y04FYQ CLAUDIU 793 50.221 W SP9HWY SARDINIA 12200944 ISOAWZ MS 622 50.230 J IT9CHU 12200156 Y0070 JM 90H 818 50.230 J H99BIN	SWITZERLAND 11281771 HB95IX 429 JN47QF 374 .058 B DL0HEL 11291158 HB95IX 419>J050UF 374 .058 B DL0HEL 12010932 HB95IX 219 JN47QF>J050UF B DL0HEL
12140937 IWACVS JT6M 791 50.234 J PASJS 12141314 IKOFTA JT6M FAST 791 50.218 J PASV 12192102 IZ5HNI JT6M 1048 50.220 J SP9HWY 12200927 IZ5MAO JN54>JM76 951 50.230 IT9CHU	12201158 ISOGQX JM490H 818 50.230 J HB9BIN 50.230 J PA5JS SCOTLAND 11291052 GM4WJA CQ JT6M 1084 50.230 LA7VH	12081003 HB9MFD JT6M JN47>JO90 .230 J SP9HWY 12081704 HB9SIX 539 JN47QF>JO50UF B DLOHEL 12091651 HB9SIX 419>JN65 476 50.058 B S57RR 12112059 HB9BIN JT6M 1523 50.230 J LA4LN
LATVIA 12141706 YL3GDY JT6M 1824 50.237 J GW8ASD 12141713 YL3GDY MS ALEX 789 50.234 J SP9HWY	11292019 GM4WJA IŌ87>JO55 262 50.230 OZ8ZS 11292053 GM4WJA MS 1824 50.223 J OH5LID 11292227 GM4WJA JOHN 1109 50.233 J SM7CMV 11301302 GM4WJA JT6M IO87>JO59 1041 J LA4ANA	12121750 HB9BIN JT6M 1050 50.230 EB1EHO 12121757 HB9BIN >IN73DM 50.230 EB1EHO 12122046 HB9BIN JT6M 637 50.248 PC7M 12131257 HB9BIN Es 682 50.234 PASJS

12132029 HB9BIN JN37>JO55 931 50.215 OZ8ZS 12132101 HB9BIN 569 JN47QF>JO50UF B DLOHEL 12141252 HB9BIN JT6M 682 50.220 J PAZV 12201713 HB9BIN JN37>IO81 812 50.230 G4MQL 12201730 HB9BIN 988 50.222 W SP9HWY 12202014 HB9BIN 1046 50.230 W OZ1BNN 12202107 HB9BIN JT6M JN73>KO02 .230 J SO5AS 12211143 HB9SIX 539 JN47QF>JO50UF B DK2EA	11272372 XE1/VE3OQC DL91>EM02 1238 AE5B 11272337 XE1/VE3OQX DL91>EM02 1238 AE5B 11272331 XE1/VE3OQX >EM03 50.125 K5WFT 11272335 XE1/VE3OQC 59>EM04 1458 125 KD5PBR 11272338 XE1/VE3OQC DL91>EM03 1348 K5WFT 11272355 XE1/VE3OQC 59>EM14 1789 125 K5WPN 11280247 XE1WWW ELO6>DM65RD 50.082 B N5JEH	12072314 V44KAI 559>GG46 4740 50.053 B PY5EW 12072355 V44KAI 559>GG88 4852 50.053 B PY4AQA 12072359 V44KAI 559>GG88 4852 50.054 B PY2AQA 12072359 V44KAI 559>GG53QW 5086 .053 B PY5KX 12082331 V44KAI 559>GG53QW 5086 .053 B PY5KX 12082331 V44KAI 5331 50.053 B PY2AQA 12100016 V44KAI 559 5331 50.055 B PY2SRB 12102308 V44KAI 599>GG46 4740 50.053 B PY5EW 12110003 V44KAI 559>GG66 4878 50.053 B PY2COC 12112318 V44KAI 559>GG66 4740 50.053 B PY5EW 12120000 V44KAI 529>GG66FJ 4906 .053 B PY2CWC 1210000 PY2CWC 1210000 V44KAI 529 GG66FJ 4906 .053 B PY2CWC 1210000 PY2CWC
Reports of North America	MEXICO, XE2 11280130 XE2YWH DL92>EM09 1899 .125 NOLL	12122326 V44KAI 559 TEP 4740 50.053 B PY5EW
BAHAMAS 12090139 C6AFP 339 FL16>EM04 50.039 B KD5PBR 12140209 C6AFP FL16HS>FM18LL 1302 B N3DB 12141349 C6AFP 449 ABACO 544 50.040 B KE4WBO 12150155 C6AFP 449 ABACO 544 50.040 B KE4WBO 12151812 C6AFP 449 ABACO 544 50.040 B KE4WBO 12151812 C6AFP >EM48 2626 50.039 B KOKKO 12181511 C6AFP 339 ABACO 544 50.040 B KE4WBO	11280132 XEZYWH D5925M004 1129 .125 AE5B 11280136 XEZHWB 59 DL44>EM04 1605 KD5PBR 11280157 XEZYWH DL925EM15 1467 .124 NX50 11280214 XEZYWH DL91>EM17 1819 .125 N0JK 12090148-XEZHWB >CM88 K6QXY	12140215 V44KAI 599 FK87>GG88 4791 B PY4AQA 12152326 V44KAI 539 5331 50.053 B PY2MAJ
CANADA, Eastern 12130248 VEIDX 55 FN84>FN25 948 .125 VE3EN 12130252 VEIDX 1121 50.125 NZ3M 12130253 VEIDX 55 FN84>FN07 1277 125 VEZXK 12130253 VEIDX FN20>FN84 1078 50.125 W3ATO 12130303 VEIDX GEMINIDS 1121 50.125 NZ3M 12130328 VEIDX 53/55 1121 50.125 SKJJRD 12141424 VE9AA 1121 50.125 NZ3M 12161440 VEIYX FN74>FN04 1632 50.125 KI4DJG 12161530 VEIYX EN BOB 2170 50.125 W4GCB 12211341 VE9WGD CQ CW 1561 50.126 WZ8D	12161745 XEZWWW EL06>DM79 1548 .122 K0EU 12161751 XEZWWW VY STRONG 50.122 W W4GCB 12161753 XEZWWW EL06>FM04 2107 .125 KI4DJG 12161805 XEZWWW 1945 50.122 W4NL	
CANADA, Quebec	12132318 VO1ZA 449 FLUTTER 1419 .039 B VE2TH	12160156 WAIT 559 FN43 NH 2855 .125 K5SW
12030235 VEZXK F37/S9 MS 983 50.125 K8LEE 12130252 VEZXK FN07>FN84 1277 50.125 VEIDX 12131315 VEZXK CQ 1211 50.126 KJ91 12131318 VEZXK CQ 1806 50.098 W4GF 12132314 VEZXK CQ 1806 50.125 VO1HT 12141621 VEZXK 559 FN07>EX59 3241 X83ARV 12150207 VEZJCW CW 369 50.130 WAZGGF 12160321 VEZXK FN02>FM04 889 50.125 K14DJG 12160338 VEZJCW 1806 50.125 WA4YGG 12161829 VEZJCW 623 50.125 VEIKO 12161829 VEZZK 59 FN07PJ>EM72 1739 K14FCQ 12201606 VEZXK 59 FN07PJ>EM72 1739 K14FCQ	11302345 NP4A 59 5571 50.110 PY51P 12020008 NP4A 55>GC53QW 5337 50.130 PP5XX 12020026 NP4A 53 5907 50.110 S CE3SAD 12040103 NP4A 59>GG68CU 4878 50.110 PY2HT 12060146 NP4A 55>GC53QW 5337 50.110 PY2HT 12060209 NP4A 59>GG40KB 5647 50.110 PY3NZ 12080003 NP4A 59 SGG88 5157 50.110 PY3NZ 12080005 NP4A 59 SGG88 5157 50.130 PY4AQA 12080030 NP4A 59 PEDRO 5952 50.115 LUGHTR 12080101 NP4A 59 W/LU 5571 50.115 PY4AQA 12080101 NP4A 59 W/LU 5571 50.115 PY4AQA	12160230 W1WO FN42>EM76 1371 50.125 NZBR 12160231 W1OW FT FN42 MA 2817 50.125 K5SW 12160231 W1OW FN42>EM63 1717 50.125 W3AUHC 12160237 W1AIM VT FN34 CHIP 2752 125 K5SW 12160242 W1AIM FN345+FM04 1224 50.125 K14DJG 12160250 WA1T FN33>EM63 1776 50.150 WA4UHC 12161524 K1CP FN54>FM04 1401 50.125 K14DJG 12161524 K1CP FN54>FM04 1128 50.125 K14DJG 12171550 W1PL FN54>FM04 1105 50.125 K14DJG 12171624 W1LPL FN54>FM04 100 50.125 K14DJG 12171624 W1LPL FN54>FM04 100 50.125 WARVZ 12180108 W1MM 55 FN42>EL87 1989 125 H W4TAA 12191624 W1JJ 579 SC FN41>EN82 .125 NBUUP 12211329 W1JJ 599>EM70 1980 50.125 AC4TO
CANADA O 4- 4-	12080139 NP4A 59 PEDRO 5571 50.110 PY3MSF 12082307 NP4A 59 FK68>GG88 5093 .110 PY4AQA	United States, W2 11291439 K2ZD S3 ES 1436 50.069 B KE4WBO
CANADA, Ontario 11280128 VESI/W4TAA 484 11301426 VESI/W4TAA 484 11301426 VESI/W4TAA 484 11301426 VESI/W4TAA 484 12012302 VESI/WESI 419 FN03-FN07 444 12012302 VESI/WESI 59 552 12062242 VESI/WESI 59 552 12062242 VESI/WESI 5552 12071452 VESI/WESI 600 552 12071452 VESI/WESI 600 552 12130232 VESI/WESI 5552 12130232 VESI/WESI 5552 12130232 VESI/WESI 5552 12130232 VESI/WESI 600 50 125 12130238 VESI/WESI/WESI/WESI/WESI/WESI/WESI/WESI/W	12082325 NP4A 59 FK68>GF05 5952 .130 LW3EX 12082325 NP4A 59>GG53QW 5337 50.130 PP5XX 12082328 NP4A 59>GG54QKB 5647 50.130 PY3NZ 12082322 NP4A 59 5571 50.130 PY2MAJ 12090014 NP4A PK68>GG88 5093 50.120 PY4AQA 12090030 NP4A 59 PEDRO 5952 50.110 LU6HTR 12090034 NP4A PEDRO 5952 50.110 LUGEFC 12090105 NP4A 59 5952 50.110 LUCEAB 12092138 NP4A CQ 5571 50.110 PY4EEP 12092253 NP4A 5571 50.110 PT9PA	11301738 WC2K FM29>EN64 1135 50.125 N8JX 12140106 W2MMD FM29>EL86 1624 50.260 N3LL/4 12151748 W2/K8ZES FM02>EL49 1799 125 AC5TM 12151812 K2ZD S2 ES 1436 50.068 B KE4WBO 12160220 KB2SIN 54>EM25 1889 50.125 K5SW 12160301 W2RE FM31>FM11 333 50.125 WN3SIX 12160303 W2RE 57 NY FM31 2624 50.125 K5SW 12160406 W2QK FM30>EM51 1345 50.125 K9PPY 12161543 K2ZD EL86>FM20 1722 50.067 B N3LL/4 12161600 KZTW 50.125 W1MM 12180106 WZTMA FM30>FM42 Z77 50.125 W1MM 12200656 KZZD -24DB EME 5835 50.196 J PEIBTX
12140001 VE3WCC 419 FM15>FN07 269 B VEZXK 12160240 VE3EN FN25>FN04 1269 50.125 K14DJG 12160244 VE3EN 559 FN25 2665 50.125 K5SW 12160255 VE3EN FN25>EM92 1534 50.125 KF4LMT 12160413 VE3UBL 519 FN03>FN07 444 B VEZXK 12161508 VE3EN 484 50.125 VEZJCW 12181924 VE3KZ FN20>FN03 469 50.125 W3RFK	12102315 NP4A CQ SA 5571 50.120 PY2SEX 12102014 NP4A S9 PEDRO 5571 50.110 PY5EW 121220100 NP4A S9 PEDRO 5571 50.110 PY5EW 12122327 NP4A 59-SG46 4981 50.110 PY5EW 12122337 NP4A 57 50.110 PP5XX 12130000 NP4A CQ DX 5571 50.110 PY3NZ 12130010 NP4A CQ DX 5571 50.110 PY3NZ 12130104 NP4A 55 1098 51.110 9Y4D	United States, W3 11280126 W3DOG FM165FM28 283 50.071 B WB2KWF 11281601 W3CCX 559 PHILLY 1168 .080 B KE4WBO 11281604 W3DOG S7 OCEAN CITY 1168 B KE4WBO 11281607 W3VD S1 LAUREL 1168 50.064 B KE4WBO 11281616 WN3SIX 599 CQDX 1168 50.101 11291129 K3JRD 56 FN005EN81 353 .140 KB8O 11291417 W3DOG S3 OCEAN CITY 1168 B KE4WBO
CANADA, Northern 11232225 VEBWD ES DP22>CO88 50.020 B VE7DUB	12132320 NP4A BRAZIL TEP 5337 50.110 PP5XX 12132330 NP4A .KP4EIT 2862 50.110 K1TOL	11291439 KB3RHR EN90>EM72 958 50.125 KI4FCQ 11291445 W3FK CQ 1168 50.125 KE4WBO
CANADA, Manitoba 12060450 VE4SPT 529 1992 50.025 B VE7DUB	12132356 NP4A 2424 50.125 N3DB 12140004 NP4A 5337 50.110 PP5XX 12140011 NP4A 59>NFM19 2524 50.110 S AK3E 12140011 NP4A 59>ND 2772 50.110 WC2X 12140014 NP4A 59ND 2772 50.110 WC2X	11291450 W3CCX S2 PHILLY 1168 50.080 B KE4WBO 11291513 NZ3M S9 ES WKG FLA 1168 150 KE4WBO 11291519 NZ3M FN10PD>EL95 1676 .150 K7WLF 11291529 W3PIE 449 UNIONTOWN 1168 B KE4WBO
CANADA, Alberta 12040354 VEGEMU 429A 885 50.040 B VE7DUB	12140031 NP4A FK68>FN10 2656 50.125 W3RGA 12140042 NP4A WEAK 1942 50.125 H W4GCB	11291601 W3DOG FM16>FM28 283 50.071 B WB2KWF 12081500 W3BMK FN00>EN71 515 50.125 H W9BGJ 12090126 W3HH 559 EL87>EM13 1447 063 B W5LUA
	12140059 NP4A FK68>FN03 3049 50.125 VA3TLS	12130205 W3RFK FN20>EN41 1345 50.125 K2DRH/9 12130229 W3RFK 59 BURSTS>EN22 1512 K0CER
CANADA, British Columbia 12040305 VETDUB 449 CO88 2015 50.126 12110413 VETDUB CO88 MS REG 2015 126 12130337 VETDUB 339>559 MS 1360 .126 KETV 12200612 VETDUB 449/449 MS 1360 .126 KETV	12140117 NP4A 2772 50.125 N2TU 12140119 NP4A 33>EL86 1866 50.125 N3LL/4 12140111 NP4A 53 5571 50.125 N3LL/4 12140141 NP4A >EL89 2029 50.125 W3HH/4 12140141 NP4A PK68>EN90 2787 50.125 W3HH/4 12140144 NP4A PK68>ED95 1637 50.130 W4AS	12130251 NZ3M FN10>FN84 1228 50.125 VEIDX 12130313 K3RWR FM19>FN25 686 50.267 VE3BN 12130322 W3TC ,K3JRD FN00>FN84 .125 VEIDX 12130327 KB3RHR EN90>FN84 1537 .125 VEIDX 12130327 KB3RHR EN90>FN84 5537 .125 VEIDX 12132353 N3DB 58 2424 50.110 KP4ELT 12140359 N3CJM 339 1168 50.060 B KE4WBO 12141427 NZ3M TROPO>MS>ES 1121 .125 VE9AA
COSTA RICA 12040012 TIZNA 559>FK68 2181 50.080 B NP3CW 12122312 TIZNA 599>FK68 2181 50.080 B NP4A	12141751 NP4A CQ NA 1942 50.110 KE4WBO 12141828 NP4A 59>EM85 2294 50.125 K4QI	12141652 N3BC 53 20 SEC>EN26 1592 K0GUV 12150303 W3DOG BSc QTF KP4 224 .071 B N3DB 12151718 KB3RHR CRAIG 2271 50.125 W AC5TM 12151743 KB3RHR 2271 50.125 W5TFW
DOMINICAN REPUBLIC 12150151 HIBLAM FK58 2353 50.110 B N3DB	12170115 NP4A 599 5571 50.110 C PV8AZ 12182353 NP4A 59 PEDRO 5571 50.110 PY5EW 12182354 NP4A 555GF05PH 5977 50.110 LW3EWZ 12200013 NP4A 599 CQ DX 5571 50.111 PY5EW	12152340 W3DOG FM16>FM28 283 50.071 B WB2KWF 12160244 N23M FM10>EM31 1345 50.125 KCOBMF 12160314 N3DB FM18LL>EM51 1071 .126 K9PPY
GUADELOUPE 12020054 FG1GW 51>GG53QW 4917 50.110 PP5XX	12210009 NP4A 55>GG66RN 5164 50.110 PY2HN	12160334 W3DOG >EN31 1345 50.072 B KC0BMF 12160402 W3APL 559 FN07>FM19 903 064 B VE2XK
HAITI	ST BARTHELEMY 11292310 FJ5DX 55>GG53QW 5086 50.110 PP5XX	12161544 W3DOG 579 FM28>EL87 50.071 B W4TPA 12161544 W3DOG FM29>EL86 1624 50.071 B N3LL/4 12161546 N3DB 59 FM18LL>EL86 1443 N3LL/4
12062310 HH07RH CQ DX 5827 50.110 PY6KR 12082139 HH07RH CQ 5827 50.110 PY6KR 12102208 HH07RH CQ DX 5827 50.110 PY6KR	ST KITTS & NEVIS IS. 12012247 V44KAI TEP>GG53QW 5086 .053 B PP5XX 12012251 V44KAI >GG68CU 4605 50.053 B PY2HT 12030000 V44KAI 519>GG53QW 5086 .053 B PP5XX	12161552 N3DB 59 FM18LL>EL87 1340 W4TAA 12161556 N3DB 59 50.125 N3LL/4 12161618 W3DOG 599 FM28>EL86 1528 B N3LL/4 12161641 KB3RHR EN90>EL86 1567 .125 N3LL/4 12162351 K3KYR FN24>FN25 111 50.126 VE3EN
MARTINIQUE 12020042 FM:HM 52>GG53QW 4704 50.110 PP5XX 12022358 FM5BH: 59>GG53QW 4704 50.110 PP5XX 12072255 FM5AA TEP>GG53QW 4704 .110 PP5XX	12032343 V44KAI 599>GG46 4740 50.053 B PY5EW 12040104 V44KAI 57 5331 50.053 B PY2HT 1204233 V44KAI 559 TEP 4740 50.053 B PY5EW	12162351 KB3RHR MS EN90>EN41 845 165 VEDRH/9 United States, W4
12072259 FM5AA 59>GH64CI 3652 50.110 PU2BFG	12060130 V44KAI 559 5331 50.053 B PY4AQA 12062305 V44KAI 539 TEP 4740 50.032 B PY5EW	11280229 NA4M 59 EM10 1531 50.129 WOOGH

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11280410 W4/W2GFF EM60 1708 50.125 WOOG
11280445 W4/W2GFF CQ 2512 50.125 N5YT
11281118 KZ4RR EM90 LEE 1126 50.125 W WZBD
1129134 VA4VV 59 FM045EN90 50.125 WB3E
11291520 W4/W9DR 59 ES ELB65EM79 1457 WB1F
11291603 KD4AOZ 539 MS EM835EN82 1000B NBUU
11291616 WA4VUT EM505FN10 1551 .125 N33M
11302027 AC4TO 559 EM605EN81 1285 KBWW
11302207 W4/W9DR 59 05 50.125 KBWW
                                                                                                                                                                                                                                                     12201701 AC4TO 55 I/O KEN 1168 .125 KB3RHR 12201714 W4VV WEAK ES>IOWA 2082 .125 CCER 12211405 AC4TO 559 EM70-EL86 485 125 N3LL/4 12211407 AC4TO 2371 50.110 B TI7/M5B 12211568 AC4TO 559 CW Sc 1168 50.125 N23M 12211643 W4/W9DR 559 EM75>EM79 444 B W8IF
                                                                                                                                                                                                   WOOGH
N5YT
                                                                                                                                                                                                   KB3RHR
W8IF
                                                                                                                                                                                                    N8UUP
   11302027 AC4TO 559 EM60-EN81 1285
11302207 W4/W9DR S9
12030213 K4QI 559 FM06-FN07 50.125
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12050148 K4QI FM06-FN07 50.125
12060144 K4QI FM06-FN07 50.125
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12061220 WA4VUT EM72NK-EM50 446 .125
12061226 K4QI FM06JC>EM90 644 50.125
12061328 KZ4RR EM90-FN31 1417 50.165
12061341 AC4TO CQ 1168 50.125
12061525 W4AFC EM60-FN10 1431 50.125
12090110 AC4TO EM70-EM40 574 50.140
12090111 KZ4RR EM90-EL19 1160 50.135
12090111 AC4TO EM70-EM40 574 50.140
12090113 AC4TO 53 EM70-EM04 1384 41
12090123 AC4TO EM70-EL29 968 50.140
                                                                                                                                                                                                                                                       United States, W5
                                                                                                                                                                                                     K8LEE
                                                                                                                                                                                                                                                       11240054 N5JEH ES DM65RD>CN85 50.125
11240056 N5JEH ES DM65>CN87 50.125
11280130 W5GPM 579 EM26>DM43 50.066
                                                                                                                                                                                                    VEZXK
N8JX
                                                                                                                                                                                                                                                                                                                                                                                                                                                        K7CW
                                                                                                                                                                                                                                                     | 1280130 | W5GPM 579 | EM26>DM43 | 50.066 | |
| 1280132 | W5RP 599 | DM9>EL15 | 1567 | 50.125 |
| 1280142 | N5W5D EM09>EL15 | 1567 | 50.125 |
| 1280218 | W5HN STRONG | 1334 | 50.071 |
| 1280235 | W5DXK EL09 | CQ | 1734 | 50.125 |
| 1280249 | KD5HOV EL17>DM65RD | 50.140 |
| 1280251 | K5RKB EL09>DM65RD | 50.125 |
| 1280254 | WN5KNY DM62>EM02 749 | 50.096 |
| 1280254 | WN5KNY DM62>EM02 749 | 50.096 |
| 12803037 | KE5DYW 59 | T0334 | 50.135 |
| 1280337 | K5ESYW 599 | T0334 | 50.135 |
| 1280346 | K5PRT 59>DM43 | 1448 | 50.125 |
| 1280409 | KC5NER, KF5UX | 1334 | 50.125 |
| 1280408 | WUSE JIM | 1334 | 50.125 |
| 1280408 | WUSE JIM | 1334 | 50.135 |
| 12804128 | WUSE JIM | 1334 | 50.135 |
| 1280428 | WUSE JIM | 1334 | 50.135 |
| 1280438 | KD5PBR EM04>EM06 | 1208 | .125 |
                                                                                                                                                                                                                                                                                                                                                                                                          50.066 B AC7XP
53 .074 B AC7XP
                                                                                                                                                                                                     K9DRG
                                                                                                                                                                                                    VE2XK
W4TAA/
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                                                                                                                                                                                                                                                                                                                                                                                                          18 135 KD5PBR
50.071 B W00GH/7
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                                                                                                                                                                                                    KZ4RR
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N5JEH
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                                                                                                                                                                                                    NZ3M
                                                                                                                                                                                                                                                                                                                                                                                                                                            WOOGH/7
S WOOGH/7
                                                                                                                                                                                                   AC5TM
KE5JXC
KD5PBR
                                                                                                                                                                                                                                                                                                                                                                                                          50.125 S WOOGH/7
    12090123 AC4TO EM70>EL29 968 50.140
12121937 W4/W9DR EM75>FN44 1580 .062
12130117 W4/W9DR EM75>FN44 1580 .061
                                                                                                                                                                                                   K5RK
K1TOL
                                                                                                                                                                                                                                                                                                                                                                                                                                            S WOOGH
                                                                                                                                                                                                                                                      11280438 KD5PBR EM04>EM60 1208 .125
11280439 KN50 TED 50.125
11280543 N5OMG EL49>EM60 400 50.125
                                                                                                                                                                                                                                                                                                                                                                                                                                                       W2GFF/4
   12130117 W4/W9DR EM75>FN44 1580 .061
12130325 N4WY FM05>FN25 1161 50.260
12131138 KZ4RR EM90>EN90 1111 50.145
12131217 KZ4RR NICE BURN 1126 50.145
12131250 W4/W9DR 579 EM75>FN07 1423
12131358 K4TQR 519 EM63>FN07 1694
12131409 K4UI EM77>FN44 1442 50.125
12131412 W4GF 519 EM83>FN07 1592 098
12131413 KC4PX EL98>FN44 1982 50.125
                                                                                                                                                                                         B KITOL
                                                                                                                                                                                                   VE3EN
KB3RHR
                                                                                                                                                                                                                                                                                                                                                                                                                                                       W2GFF/4
                                                                                                                                                                                                                                                   N8JX
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                                                                                                                                                                                                  VE2XK
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W0OGH/7
                                                                                                                                                                                                   K1TOL
VE2XK
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    12140352
12141157
                                            W4/W9DR 449 1335 50.062
WO4DX EM75>EN64 1014 50.125
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   12141240 W4/W9DR LOUD>RN82IB 313 165
12141240 W4/W9DR LOUD>RN82IB 313 165
12141358 K4VI 59 EM76>EL86 1127 .125
12141556 W4CLM 559 EM95>EK59 1943
12141605 W4/W9DR 559 EM95>EK59 1943
                                                                                                                                                                                                   N8VGC
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W4KVW
                                                                                                                                                                                                  N3LL/4
XE3ARV
 12141556 W4CLM 559 EM95>EK59 1943
12141605 W4/W9DR 559 EM95>EK59 1943
12141614 W4UTE EM85>EK59 1978 50.076
12141614 W4UTE EM85>EK59 1873 50.076
12141730 W4UVV 59>FK68 1942 50.110
12151654 W4/W9DR EM75>EM10 1248 .062
12151713 W4TAA EL87>EM50 1508 50.125
12151713 W4TAA EL87>EM50 1508 50.125
12151743 W4/M3LL EL86>EN53 1858 50.145
12151743 W4/M3LL EL86>EN53 1858 50.145
12151743 W4/M3LL EL86>EN53 1858 50.145
12151743 W4/M3LL EL86>EN53 1858 50.125
12151756 K14AOQ FM03>EM03 1851 .130
12151820 K14DJG FM04>EM03 1851 .130
12151820 K14DJG FM04>EM03 1843 .125
12160210 W4GFG 529 EM63>FN25 1681
12160213 W4GF EM83>FN25 1498 50.125
12160224 AC4TO 59 EM70>FN25 1880 125
12160225 K4TRT 559 EM97>EN44 1142
12160233 NG4C 55 1335 50.125
12160233 K14DJG 58 FM04>FN25 1269
12160235 K4TRT 559 FM04>FN25 1259
12160235 K4TRT 59 FM04>FN25 1259
12160235 K4TRT 55 FM04>FN25 1259
12160249 NG4C FM16>EN35 1649
125 FM04>FN25 1259
12160249 NG4C FM16>EN35 1649
125 FM04>FN25 1254
                                                                                                                                                                                                                                                    12090148 W5s NN - CM88
12130149 W55UVV > EN64 1877 50.125
12131138 W5GTA BEQD-EN80 1551 50.125
121311349 W5GTA 52 EMZ0>EM90 1340 125
12141100 W5GTA 1820 50.125
12142225 W5IXR EM37>DM66 1246 50.125
                                                                                                                                                                                                                                                                                                                                                                                                                                                       K6QXY
N8JX
                                                                                                                                                                                                  XE3ARV
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N8JX
                                                                                                                                                                                                   NP4A
                                                                                                                                                                                                   NA4M
N9IUA
                                                                                                                                                                                                                                                                                                                                                                                                                                                       WBOOSP
                                                                                                                                                                                                                                                   12142225 W5IXR EM37>DM66 1246 50.125
12151640 K5RK EL29>EN90 1762 50.135
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12151822 K5WFT FM04>EM03 1843 50.125
12151833 K5RK EL29>FM19 1982 50.135
12160218 W5GPM 539 EM26>FN25 1945
12160222 K5SW CW 2191
12160222 K5TON EM22>FN10 1833 50.125
12160307 KD5PBR EM04>EN71 1449 .125
12160316 K5RK 57 EL29>EN44 1704 .125
12160326 K5KKB EL09>EN52 1699 50.125
12160327 AD5A EL09>EN52 1699 50.125
12160327 AD5A EL09>EN52 1699 50.125
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KD4ESV
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KF9AF
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VE3EN
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                                                                                                                                                                                                    K9MU
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                                                                                                                                                                                                                                                    12160327 AD5A EL09>EN52 1699 50.125
12160329 K5RKB 55 EL09>EN744 1810 135
12160331 AD5A EL09>EN51 1609 50.135
12160333 AD5A EL09>EN63 1716 50.135
12160331 K5RKB EL09>EN51 1609 50.125
12160351 K5RKB EL09>EN35 1854 50.125
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K9PPY
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                                                                                                                                                                                                    VE2FET
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12161730 K5SW 1750
                                                                                                                                                                                                                                                                                                                                                          50.125
50.125
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KS7S
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                                                                                                                                                                                                                                                                                             KG5DF FM04>EL18 1828 50.125
  12160252 KP4LMT 54 EM92>FN25 1534
12160255 W4DDR EM85>FN31 1095 50.135
12160306 N4JRY 52 FM042EN44 1511 125
12160307 K4TCR 559 EM63>FN07 1694
12160307 NA4M EM10>EN43 1539 50.125
12160312 K14DJG WEAK 1335 50.125
12160312 K14DJG S5 FM043FN07 1445
12160322 NA4M EM10>EN63 1693 50.125
12160322 NA4M EM10>EN63 1693 50.125
12160323 NA4M EM10>EN65 1511 50.125
12160329 NA4M 59 EM10>EN52 1511 50.125
12160329 NA4M 59 EM10>EN52 1517 50.125
12160330 K4ESA EM74>FN25 1487 50.140
12160331 K4CON, NAEQ EM95>FN07 1344
12160333 K4CON, NAEQ EM95>FN07 1344
                                                                                                                                                                                                                                                   | 12161731 KG5DF FM04>EL18 1828 50.125 KI4DJG | 12161734 KG5DF S8>EL17 BILL 1589 125 W4GCB | 12161755 NQ5X EM13>DM41 1330 50.125 KS7S | 12161807 W5RP S1 SAN ANGELO 1722 .071 B KE4WBO | 12161807 W5RP S1 SAN ANGELO 1722 .071 B KE4WBO | 12161815 W5GTA EM20>DM41 1527 50.125 KS7S | 12161815 W5GTA EM20>DM41 1527 50.125 KS7S | 12161846 W5RP 539 DM91>EL87 1795 074 B KD4ESV | 12171644 WASUUD EM74QC>EM62 283 .125 K4ESA
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K9MU
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VE2XK
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                                                                                                                                                                                                                                                    United States, W6
11280155 N6NB DM05SB>EL09 1926 .068 B WN4VC
12090147 K6FV 579 CM67>DM43 50.069 B AC7XP
                                                                                                                                                                                                    VE3EN
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12090148-M6s S CA > CM88 12090231 N6NB 519 DM05>CN88 1482 B
12090236 K6FG CN95>DM04 1234 50.125
12090250 KN6LA DM04>CN95 1234 50.125
12090250 KN6LA 58 DM04>CN87 1483
  12160333 KI4OCN,N4AEQ EM95>FN07 1344
12160334 W4/WDR 599 EM75>FN27 1394
12160337 KF4LMT EM92>FN07 1676 .130
12160338 W4/WDR 55/599 EM75XA 1501
12160338 W4FLX FM14>FN07 1454 50.130
12160339 KD4AOZ 559 EM63 1583 50.061
12160331 W4NE EM94>FN07 1454 50.130
12160334 W4NE EM94>FN07 1454 50.130
12160342 AC4TO EM70 1966 50.125
12160347 NA4M EM10>EM51 1417 50.125
12160351 K4TQR 599 EM63>FN07 1694
12160358 K14ROF 1785 50.145
12160403 K4AKR CHARLES 1436 50.125
12161349 K14DJG ,N4AVV>FN74 1632 125
12161316 K4MQG EM94>FN74 1760 50.125
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KD7UO
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VE2XK
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12090313 AA6DD DM13>CN73 1262 50.125
12090317 AA6DD DM13>CN80 942 50.125
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N6LOP
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12090337 AF6AV DM12>CM87 779 50.130
12090337 W6OMF CM98>DM12 758 50.125
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12110129 N6IEF DM12>CN73 1407 50.125 K700
12110204 N6IEF 965 50.125 H KE7V
12141927 N6VYT DM06 1835 50.125 NOLL
                                                                                                                                                                                                                                                                                                                                                                                                                                                       K700S
                                                                                                                                                                                                     VE1YX
                                                                                                                                                                                                                                                      12161006 K6QXY EME BOB 9053 50.204 J LX1FX
                                                                                                                                                                                                   VE1YX
                                                                                                                                                                                                                                                   United States, W7

11230039 K87S MS DM87AQ>CN85RL .255
11240118 W7/W6SJR ES DM54>CN85RL .255
11280110 N7TCF 58 DM33>EM04 1294 125
11280102 N7TCF DM33>EM10 1543 50.125
11280112 N7TCF DM33>EM10 1543 50.125
11280112 WA7NB 599 DM62>EL29 1185
11280112 WA7NB 599 DM42>EL29 1554
11280113 N7TCF DM33>EL29 1756 50.135
11280149 KA7CVJ BIG SIGNAL 1750 .140
11280165 N7TCF BIG SIG 1750 50.140
11280165 N7TCF BIG SIG 1750 50.140
11280165 N7TCF BIG SIG 1750 50.130
11280207 NM7D DM37ST>EL09 1548 .078
11280210 W7/W0OCH DM43>EM10 1360 125
11280210 W7/W0OCH DM43>EM10 1360 125
11280221 W7/W0OCH DM34>EM10 1360 125
11280221 W7/W0OCH DM34>EM39 1962 125
11280221 W7GNE DM42 2838 50.125
11280221 W7GNE DM43 2838 50.125
11280221 W7GNE DM43 2838 50.125
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K1CP
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                                                                                                                                                                                                    KI4DJG
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AJ4F
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WU5E
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KD5PBR
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        AJ4F
                                                                                                                                                                                                                                                       11280232 N7CAR 58 DM41>EM04 1166 125
11280237 W7/W00GH DM34>EL09 1430 125
                                                                                                                                                                                                    KD5PBR
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AB5YI
                                                                                                                                                                                                     KOSIX
                                                                                                                                                                                                                                                       11280244 N7TCF DM33>EM40 2096 50.125
                                                                                                                                                                                                                                                   11280259 W7/W0GH DM43>EM03 1111 125 K5WFT
11291509 W7/W6GUU DN22QK-DM65QH 1051 W5WVO
11292301 WA7X 309 DM49>CM97 897 .070 B N6XV
12021457 KS7S DN41>DM26 654 50.260 VE3CD
                                                                                                                                                      7 1423 B VE2XK
50.072 B WZ8D
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12021515 W7CNK CW CQ 1750 50.125
12071456 W7/VE3CDX DM261G>DM65QG 787
12071622 K7CW DM26>CN76 1386 50.260
12081400 K17JA CN85>DM26
12090312 KB7ME CN85>DM12 50.145
12110128 K70OS CN73>DM12 753 50.125
12130432 W7GJ MS>DN27 685 50.125
                                                                                                                                                                                                         50.125 H W5KI
                                                                                                                                                                                                                                                                  KI7AB
VE3CDX/7
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12130432 W7GJ MS>DN27 685 50.125 KE7V
12140422 W7/VB3CDX K7FED
12160248 N7BHC 59 EM95>FN25 1221 125 VE3EN
12160402 K7ICW DM65>EN52 1734 50.125 W9RM
12160405 K7ICW DM65>EN52 1734 50.125 W9RM
12161004 W7GJ EME LANCE 8326 50.190 J LX1FX
12161517 N7BHC EM95>FN74 1685 50.125 VE1YX
12161751 W7GNE 55 DM43>EL87 2754 130 W4TAA
12161753 W7GNE 55 DM43>EL87 2754 130 W4TAA
12161758 W7GNE DM43 CQ 2838 50.125 W6TES
12161848 K7EBW 53 DM42>EL87 2744 125 W4TAA
12180207 WA7X 599 DM40>CN88 50.070 B KE7V
12182032 KE7V CN95>CN88 337 50.125 WB7BBI
12211547 KA7BGR CN82>CM97 581 50.075 B NA6XX
                                                                                                                                                                                                                                                                   KE7V
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12131237 W28D S7 EM89>FN07 945 .007 B VEXXK
12131245 W81F 50.125 W K58
121313109 W28D EM89>FN25 934 50.125 VE3EN
12131310 W28D 579 EM89>FN07 945 .125 C VEXXK
12131321 N8JX 55 MS 552 50.125 S VE3EN
12131347 K8DZ EL98QG-EM79 1311 .130 KC4PX
12131501 KB80 QRZ CW 1152 50.125 K4RX
  12131501 KBBO QRZ CW 1152
12141501 KBBO QRZ CW 1152
12140348 WZ8D S1 Es 1126
12141345 WZ8D >ELB6 1651
12141406 KBEB EN73>FN44 1187
12151302 WZ8D 449 1126
12151308 WZ8D 1078
                                                                                                                             50.067 B KE4WBO
50.066 B N3LL/4
                                                                                                                             50.064 B K1TOL
                                                                                                                               50.067
                                                                                                                                                          B KE1F
  12151308 WZ8D 1078 50.067 B KE1F 12151811 WZ8D EMGO)>EM89 1064 50.068 B KW4RZ 12151813 N8JX EN64>EM60 1556 50.125 KW4RZ 12161633 WZ8D 599 EM89>EL86 1445 066 B N3LL/4 12171512 N8JX -21DB EME 2507 50.190 W7GJ 12201330 W81F 52 EM72>EM79 778 .165 KI4FCQ 12201334 WZ8D 599 W/PINCS 1152 .125 K4RX 12201340 WZ8D 579 EM89>EL87 1334 125 C W4TAA/
 12201340 WZ8D 579 EM895EL8/ 1334 125
12201512 N8AJB SSB & CW 1126 50.126
12201527 WZ8D 1126 50.126
12201527 WZ8D 1/O Es+MS 50.130
12201612 WZ8D 559 EM895FN07 945 .130
12211311 W8IF 59 EM72>EM79 778 .165
12211422 N8OC FSK MS EN83>FN34 806
                                                                                                                             50.125 W KG4VAR
50.126 W W4GF
50.130 AC5TM
                                                                                                                                                                  AC5TM
VE2XK
                                                                                                                                                                    KI4FCQ
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United	States, W9	
12061141	K9DRG EN70>EM90 1168 50.125 KZ4RR	
12130221	W9/K2DRH 55 EN41>FN25 1362 VE3EN	
12130223	W9/K2DRH EN81>EN41 665 .125 KB80	
12131317	KJ9I 59 EN53>FN25 1130 .125 VE3EN	
12131326	KJ9I 559 EN53>FN07 896 .126 VE2XK	
12141433	KC9ELU EM79>EL86 1457 .260 N3LL/4	
12141434	WB9IIV EM69>EL86 1492 .250 N3LL/4	
12151325	K9DRG S2 1335 50.125 KE4WBO	
12151628	WR9L 559 EN61>EL87 1598 076 B W4TAA	
12151644	KZ9A EM59>EL87 1444 50.125 W4TAA	
12151731	K9CHZ EN41>EL86 1821 50.125 N3LL/4	
12151847	K9ZA 41 55>FL 1335 50.170 KD4ESV	
12160227	K9MU EN44>FM16 1477 50.125 W4RVZ	
12160244	K9MU EN44>FM17 1406 50.098 AB4SF	
12160312	K9MU EN44>FM04 1511 50.125 N4JRY	
12160316	K9MU EN44>FM04 1511 50.125 KI4DJG	
12160402	KB9RNB EM69>DM54 2025 .125 W6SJR	
12160404	KC9KUH EM69>DM54 2025 .125 W6SJR	
12170309	K9PPY 53 EN51>EL87 1649 125 H W4TAA	
12181555	WONNE EN53-EN34 1282 50 255 WEIH	

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United States, W0

11250400 NOLL 59/59 KS>CM88 S
11250400-W01JR,NOLL,K0EC,WB0RMO B
11250412 WORTC 59/59 CO>CM86 S
11280142 WORTC DM47>EL09 1438 50.065 B
11280142 WORTC DM47>EL09 1422 .125
11291644 KOKP 519 EN36>FN07 1065 073 B
11291659 KCOCF 599 EN32>FN07 50.126 C
11301427 KOGUV 55 EN26>FN03 1298 125
12051609 KOTPP 5599>FL MS/WEAK ES 095
12061301 KOTPP 55 EM48>EM90 1275 165
12061633 KOSIX 1348 50.125
12061704 KOSIX I/O 1348 50.125
12061704 KOSIX I/O 1348 50.125
12071607 KOGUV EN26>EN41 641 50.125
12071607 KOGUV EN26>EN41 641 50.125
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K2DRH/9
12130127 KOGAVE EN345-EN44 641 50.125
12130132 KOKPE EN345-FN44 1808 1.25
12130132 KOKPE EN365-FN44 1795 50.073
12130209 KOTPP EN815-EN48 758 50.135
12130210 KOTPP 55 EM485-FN07 1394 135
12130212 KOTPP EN815-EM48 758 50.135
12130214 KOAWU EN37ED5-FN25 1438 .260
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| KCOCF EM48>EL86TX 481 .125 |
| WBORMO 559 Es 2082 50.060 |
| KOTPP EM48>EL95 1723 50.125 |
| KOKKO CQ CARIBBEAN 2082 110 |
| WOPTI FM04>EM13 1660 50.125 |
| KCOCF EM48>EL86 481 50.125 |
| KCOCZE 1348 50.125 |
| KCOZEX 33 EM37>FN22 1547 .125 |
| KCOZEX EM37>FN22 1547 .125 |
| KCOZEX EM37>FN20 1587 .125 |
| KOSIX EM35>FM16 1669 50.125 |
| KAOPQW EM33IU>FM18LL 1482 | 12151738 B KE4WBO 12151749 12151815 W4AS 12151821 KT4DJG K8LEE 12151901 12160209 KR2SIN 12160221 VE3EN 12160222 12160229 W3ATO W4RVZ KAOPQW EN33IU>FM18LL 1482 KOSIX 59 EN35>FM17 1597 1 KAOPQW EN33IU>FM16 1603 1 12160230 N3DB AB4SF 125 W4RVZ 12160236 KCOZRX EM37HH>FN23LG 1685 NOLL 559 EM09>FN11 1868 077 KOSIX EN35>EL29 1787 50.150 12160239 W2RJO 12160322 ROSIX EM35>EL29 1787 50.150
ROKP 1334 50.73 B
ROSIX EN35>EL39 1778 50.150
ROTPP SS EM48 1213 50.125
ROTPP EM48>DM54 1665 50.125
ROTPP EM48>DM54 1665 50.125
ROTPP EM48>DM54 1618 50.78 B
ROLL 599>DM41 1618 50.78 B
ROLL EM09>DM34 1359 50.125 B
ROTPP 599 2082 50.130
ROKKO 57 EM48>EL87 MATT 125 S
ROKKO 59 EM48VO>EL88SD 1366
ROFFK EM92>EL49 1170 50.125 WOMM/5 12160331 12160337 N5TSP KE5JXC 12160356 N3DB W6SJR 12160359 W9RM 12160508 KS7S KE4WBO 12161732 12170251 W4TAA W4HY KORKO 59 EM48VO>EL888D 1306
NORFK EM29>EL49 1170 50.125
NOLL EM09>EL87 1989 50.125
KOTPP EM48>EL87 1431 50.130
KOKKO EM48>EL95 1723 50.125
KOKP 559 EM36>FN07 1065 073
WOMTK 339 DM59>CN88 1497 12170253 N5OMG W4TAA W4TAA 2170303 2170311 W4AS 12172037 В KE7V 12172037 WOMTK 339 DM59>CN88 1497
12180301 KOSIX EN35>EM74 1453 50.125
12180341 NOLL EM09OW I/O 2034 50.078
12180345 KOEC DM69 VALL 2689 50.066
12180345 KAOCDN DM79 2525 50.066
12180355 KOEU RANDY 1960 50.067
12180523 KOEC 559 1160 50.065
12180524 KAOCDN 559 1160 50.065
12180543 WOMTK 339 1160 50.065 K4ESA W2GFF/4 50.069 B W2GFF/4 W2GFF/4 W2GFF/4 В KE7V 50.065 B 50.065 B KE7V 12210156 NOLL 529 EM09>DM25 1477 078 B VE3CDX/

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Australia-VK2 NSW

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Australia-Victoria-VK3

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Australia-Queensland-VK4

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12010529 VK4EK 53 QG36UM 1525 50.130 S VK5BM
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121410539 VK4BBG 529 DU7 50.110
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South Australia-VK5

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West Australia-VK6 VY CSL AUSLIAHA-Y RU 12010051 VK6EPH 529>PF95JJ 2129 .066 B VK5EC 12010057 VK6ZWZ 55 OF78VA 2155 .140 S VK5EC 12010105 VK6ZWZ 55 OF78VA 2155 .140 S VK5EC 12010136 VK6EXZ 599>OF88CC 2137 50.140 S VK5EZ 12010236 VK6EXZ 599>OF88CC 1207 .304 B VK6ZJ 12042236 VK6EXZ 539>QG36UM 3209 .304 B VK4EK 12042236 VK6KXX 5395QG36UM 3209 ,304 12042236 VK6KXX 959 OF887JM 3515 ,140 12050118 VK6JJ 59>PF95JJ 2137 50.150 12050122 VK6BJ 51>PH57KL 2235 50.120 12050126 VK6RZ 53 P677WW 2145 50.150 12050344 VK6JJ 57>QG62KP 3581 50.160 VK4DD VK5BC S S VK8MS VK4DD S VKSBC В VK6KXW VK1ZQR VK4ZO S VKSAYD VK6SIX VK5ACY В S VK2APG VK5ZK VK5ZK B VK5ACY VK5BC VK5BC VK5ZK VK5BC S VK5ZK VK5ZK VK3OT VK5BC VK5BC B VK5BC VK5BC S VK3OT B VK5AYD 12132305 VK6RBU 519-0F76WR 1856 .305 12132335 VK6RBU 539-QG56FP 3547 .306 12132339 VK6ZKO 559-F85MC 1976 .150 12150217 VK6JJ 59 0F88CC 2137 50.150 12150218 VK6JK 53 0F76MI 2186 50.150 12150220 VK6RK 51 0F77XX 2138 50.150 VK5AYD VK4QB В S VK5BC/ VK5BC VK5BC 12150220 VK6RO 51 OF77XX 2138 50.150
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Australia-Tasmania-VK7

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NEW ZEALAND, ZL1

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NEW ZEALAND, ZL4

NEW ZPARTS | 120202 | 2248 | 50.160 | 5 VK300 | 12020811 | ZL4LV | 55>QF22QC | 2248 | 50.160 | 5 VK4QB | 12050327 | ZL4LV | 55>QF56FP | 3075 | 50.150 | 5 VK4QB | 12060717 | ZL4DK | 57>RF72OF | 1120 | 50.140 | 5 ZL2CMC | 12060717 | ZL4DK | 57>RF72OF | 120 | 50.140 | 5 ZL2CMC | 12060717 | 2140K | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 12060717 | 1 12050327 ZL4LV 59>QG56FP 3075 50.150 S VK4QB 12060370 ZL4DK 57>RF72OF 1120 50.140 S ZL2CMC 12062330 ZL4JY 53>QF56MB 2259 52.100 S VK2VEL 120722145 ZL4LV 51>QH2ZRR 3924 50.140 S VK2VEL 12110214 ZL4LV 54>QF57WF 2152 50.140 S VK2ZT 12110230 ZL4LV 57>QG62KP 2571 50.150 S VK4DD 12142156 ZL4LV 59>QG56FP 3075 50.150 S VK4DD 12142202 ZL4LV 59>QG56FP 3075 50.150 S VK4DB 12192216 ZL4LV 55>QF64VS 1222 50.140 S ZL1RS 12192216 ZL4LV 55>QF56VS 1202 213 50.130 S VK3DUT 12192216 ZL4LV 55>QF26ZQ 2213 50.130 S VK3DE 12192216 ZL4LV 55>RF54EC 1881 50.140 S VK7AB 12200256 ZL4LV 55>AH2OTE 3216 50.110 S A35RK 12200231 ZL4LV 57 RE54EC 2069 50.130 S VK3DUT

NEW ZEALAND, GENERAL

2062222 ZL TV VID WEAK >CM88 45.250 V K6QXY

PAPUA/NEW GUINEA

12060029 P29NB 59>QH22TQ 1214 50.110 S VK4BEG 12060032 P29NB 54>RE54EC 4978 50.110 S ZL4LV

PHILLIPINES

12140532 DU7/PA0HIP 559 4817 50.110 12140634 DU7/PA0HIP PK01 6085 50.106

SAMOA, AMERICAN

12050213 KVZK2 51>QF56NE 4408 59.750 A VK2/SWL 12062120 KVZK2 59 AH45PR 3611 55.250 V ZL3MF 12190008 KVZK2 59 AH45PR-RE66HL .250 V ZL3MF 12190019 KVZK2 59 AH45PR-RE66HL .250 V ZL2TPY 12190013 KVZK2 59>RF70CV 3089 55.250 V ZL2TPY 12190113 KVZK2 59 AH45PR 3611 59.750 A ZL3MF 12200226 KVZK2 59>RE66HL 3611 55.250 V ZL3MF 12201955 KVZK2 54 AH45PR 3611 55.250 V ZL3MF

TONGA

TONGA

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12150328 A35RK 529>QG62HL 3427 .110 C VK4CP/
12152340 A35RK 519>QH22TQ 4224 .110 C VK4CP/
12152340 A35RK 519>QH22TQ 4224 .110 C VK4DE/
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Reports of South America

South American waters

| Table 2011 | Tab LU1DMA PYSEW LW3EX 50.110 S 50.110 50.110 PY2MAJ 12101439 UT1FG/MM S9>FF46RJ 12102137 UT1FG/MM 53 GF15>GF05 CA3SOC LW3EX 110 W 12102339 UT1FG/MM 59-FF88LN 50.105 12102348 UT1FG/MM 59-FF88LN 50.105 12102348 UT1FG/MM 59 GF15-FK90 5020 12102355 UT1FG/MM 58 GF15AO 50.115 12110033 UT1FG/MM GF05 50.110 50.105 LU6HTR 9Y4D

2112330 UT 2112346 UT 2132118 UT 2132302 UT 2141414 UT	11FG/MM FF97 11FG/MM FF97 11FG/MM 59>G 11FG/MM 55>G 11FG/MM 579 11FG/MM GF15	OJ>GG46IP GG66RJ 1715 GF15VD 50 YURI 50 BBD 50	1386 110 .110 .115 C	PY2SRB PY5EW PY2MAJ CX5CR LW3EWZ LU8EML PP2RON
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ARGENTINA, LU1

ARGENTINA, LU1

11272359 LUIDWY 5595FF46RJ 1067 .071 B CE3RA
12011510 LUIDMA 519 GF055FF46 1110 B CE3SAD
12012137 LUIEIA 595FF46RJ RAUL 1067 S CA3SOC
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12082055 LUIFVE 59 RENE 1158 50.110 PY2SRB
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12102237 LUIFVE 75 FF885GF8 1727 PY3MSF
12102256 LUIWDY 55 FE765FF46 1227 CE3SAD

ARGENTINA, LU2

11272334 LU2MCA 559 FF57>GF05 952
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ARGENTINA, LU3

ARGENTINA, LU3

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12012146 LU3YC FF50 ,LU7YS FE49 110

12082258 LW3EX 1366 50.130

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12102048 LW3EX GF05>GG46 1448 50.110 W

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12112106 LU3YC 57 F505 SG46 1648

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ARGENTINA, LU4

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12111912 LU5EGY 559>GG66RJ 1709 .039 B PY2MAJ 12111922 LU5EGY 599>GG461P 1447 .038 B PY5EW 12112055 LU5EGY 559>GG48 1643 50.038 B PY2SRB 12112144 LU5VV 59>FF46 JORGE 1110 CASOC 12112228 LU5EGY 559>GG66RI 1706 .037 B PY2EL 12112323 LU5EGY 559>GG66RI 1706 .037 B PY5EW 12112327 LU5BE >GG69CU 1939 50.110 S PY2HT 12122336 LU5EGY 559>GG66RJ 1709 .038 B CASOC 12181945 LU5EGY 559>GG66RJ 1709 .038 B PY2MAJ 12182140 LU5EGY 559 GF05>GG46 1448 B PY5EW 1211221 LU5EGY 559 F158 50.038 B PY2MAJ 12211221 LU5EGY 579>GG53QW 1366 .038 B PY5XX
ARGENTINA, LU6 11290040 LU6WBH SERAFIN FE74GD 1375 12070156 LU6HTR 55>FK60 5073 50.110 12072101 LU6WBH 57 SERAFIN 50.110 120722101 LU6WW 55 FE77>GG53 2358 110 12072234 LU6WW 55 FE77>GG53 2358 110 12072234 LU6WW 55 FE77>GG53 2358 110 12072237 LW6DC 1158 50.110 12072234 LW6DC LU6HTR 1366 50.110 12072234 LW6DC LU6HTR 1366 50.110 12082252 LUGHTR 57 GIZ5AR>FF88 3115 12101425 LUGHTR 57 FIZ5AR>FF88 3115 12101425 LUGHTR 59 FF88-GF05 500 250 12102020 LUGHN 55>FF46RJ 1067 50.110 12102158 LW6HAR 59, LU6HTR 1158 110 12102218 LW6HAR 59, LUGHTR 1158 110 12102218 LW6HAR 57 PETER FF78-GG46 12102310 LUGHTR 1158 50.110 12102215 LUGHN 59 FE44>GF05 1590 115 12111419 LUGHN 59 FE44>GF05 1590 115 12111225 LUGWN 59 FF84-GF05 1590 115 12111225 LUGWN 57>FF81 RAFAEL 50.105 12112225 LUGWN 57>FF81 RAFAEL 50.105 12112227 LW6DC 53 NESTOR 1158 50.110 12112213 LUGWN 57 SRAFA 50.110 1211230015 LW6DC CQ 1158 50.110 121230015 LW6DC CQ 1158 50.110 12212019 LW6DC CQ 1158 50.110 12212214 LUGDLL, 59 LW6DC 1366 .110
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121121335 PY2HT GG68>GF05 1861 50.130
12112130 PY2HT GG68>GF05 1861 50.130
           BRAZIL, PY2
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121121335 PY2HT GG68>GF05 1861 50.130

12181959 PY2BW 53 GG65>GF05 1605 110

12211249 PY2MAJ 59 GG66>GF05 1687

12211249 PY2MAJ 59 GG66>GF05 1687

122121248 PY2MAJ MAXIMO 1W 1158 .110

12212048 PY2MAJ 55>FF81XD 1705 .110
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LW3EX
LW3EX
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                                                                                                                                                                                                                                        LU4EFC
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        BRAZIL, PY3
   BRAZIL, PY4
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12140119 PY4AQA MAYBE VY WEAK 8384
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     BRAZIL, PY5
   ## BKAZIL, PY 5

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YV5ESN
LU5DDX
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LW3EX
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PP5XX
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PY2SRB
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CHILE

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LW3EX
LU1DMA
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LU6HTR
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LU5DDX
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12042308 VP8NO MICKE>FF81 1519 .120
12042321 VP8NO 57 GD18BH>GF05F1 .120
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LU4DMX
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12082234 VP8NO 59 GF15VD 1851 50.120
12082237 VP8NO 51>GG51 2642 50.110
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CX8DS
CX5CR
PU5AAD
                          FRENCH GUIANA
                       12072034 FY7THF 599 2096 50.038 NP4A
12130113 FY7THF 519 GJ35>GG46 3231 B PY5EW
12211714 FY7THF 599>FK68 2096 50.038 NP4A
                     PERII
                     12080124 OA4TT 52>GG53QW 3326 50.110 PP5XX
12080125 OA4TT 57>GG88 3741 50.110 A PY4AQA
12180115 OA4TT 57 3400 50.130 S PV8AZ
           TRINIDAD & TOBAGO

11292339 9Y4D 58>GGS3QW 4279 50.110
12050005 9Y4D 57>BA 5007 50.110
12050006 9Y4D 57>BA 5007 50.110
12050008 9Y4D 57 50.110
12050009 9Y4D 57 50.110
12050009 9Y4D 4523 50.110
12050009 9Y4D 55>H106 2973 50.110
12050013 9Y4D 55 TEP>GG40 4574 .110
1205013 9Y4D 59 TEP>GG40 4574 .110
12060128 9Y4D 59 TEP>GG40 4574 .110
12070007 9Y4D 58 TGNG>GG40KB 4618 110
12090058 9Y4D 59 50G8B 4064 50.110
12090058 9Y4D 59 50G8B 4064 50.110
12090058 9Y4D 59 50G8B 4064 50.110
12102324 9Y4D 59 50G8B 333 50.110
12102346 9Y4D 57 4523 50.110
12102359 9Y4D CQ DX 4523 50.110
12130055 9Y4D CQ DX 4523 50.110
12132339 9Y4D CQ DX 4523 50.110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PP5XX
LU5CAB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PY5EW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PU2PAV
PT9PA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PT7ZAP
PY2SEX
PY3NZ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PY4AQA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PY3NZ
PY5EW
LW3EX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PY5EW
PT7ZAP
PY3NZ
                                                                                                                                                                                                                                                                                                                                                                      50.110 s
50.110
279 110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PP5XX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PY5EW
URUGUAY

11281758 CX1CCC 529 1009 50.019 B PY2MAJ

112818312 CX5CR 59 1009 50.110 S PY2MAJ

11281832 CX5CR CQ DX 1009 50.110 S PY2MAJ

11281834 CX5CR 59 1009 50.110 S PY2MAJ

12012134 CX4AAJ,CX4CR 59>FF46RJ .110

12052332 CX4CR 1009 50.110 PY2MAJ

12081835 CX1CCC 569>GG66RJ 1579 .019 B PY2MAJ

12081855 CX1CCC 599 GF15>GG88 1966 B PY4AQA

12082322 CX2CC 57 1009 50.110

12092307 CX1DDO 59 TATO 1009 50.110

12092307 CX1DDO 59 TATO 1009 50.110

12111925 CX1CCC 599>GG66RJ 1579 .019 B PY2MAJ

12111929 CX1CCC 599>GG66RJ 1579 .019 B PY2MAJ

121112048 CX5CD 589>FF46 1294 50.018 B CE3RR

12112048 CX6DI 549>FF46 1294 50.110

12112048 CX6DI 549>F946 1294 50.110

12112048 CX6DI 549
    VENEZUELA

11292353 YV5ESN 4839 50.110 W PT7ZAP
11300009 YV5ESN 513CG53QW 4623 .1110
22012216 YV4AB 53>EG96 2179 50.026 B KE4WBO
12012223 YV4AB 539SCG46 4256 50.026 B PY5EW
120520300 YV4AB 539SCG46 4256 50.026 B PY5EW
12052342 YV4DYJ 5160 50.110 CX4CR
12052342 YV5LI 57 5160 50.110 CX4CR
12052352 YV5LI 57 FK60LK>BA 5067 110 LU5CAB
12060135 YV4AB 559 4839 50.025 B PY4AQA
12070120 YV5KG 57>FF88LN 4705 50.110 LU6HTR
12080009 YV5KG 57>FF88LN 4705 50.110 PP5XX
12070120 YV5KG 57>FF88LN 4705 50.110 LU6HTR
12080009 YV5KG 4623 50.110 PP5XX
12080009 YV5KG 4623 50.110 LU6HTR
12080032 YV5KG 57>FF88LN 4705 50.110 LU6HTR
12080323 YV5KG 57>FF88LN 4705 50.110 LU6HTR
12080332 YV5KG 4623 50.110 PP5XX
12100037 YV4AB MEAK 4839 50.025 B PY2SRB
121002318 YV4AB 559>GG46 4256 50.026 B PY5EW
12110014 YV4AB 519>GG46 4256 50.026 B PY5EW
12110014 YV4AB 519>GG46 4256 50.026 B PY5EW
12130059 YV4AB 519>GG46 4256 50.026 B PY5EW
12130059 YV4AB 519>GG46 4256 50.026 B PY5EW
12130059 YV4AB 539>GG46 4256 50.026 B PY5EW
12130059 YV4AB 539>GG46 4256 50.026 B PY5EW
12130011 YV5IAL CQ 4839 50.110 PY5SX
12140012 YV5IAL CQ 4839 50.110 PY5SX
12140014 YV4AB F559>GG88DS 4480 .025 B PY4AQA
12140014 YV4AB F559 5GG8BDS 4480 .025 B PY4AQA
12140014 YV4AB F559 5GG8BDS 4480 .025 B PY4AQA
                VENEZUELA
       12140022 YV51AL 4623 50.110 PP5XX 12140147 YV4AB FK50-3G88BS 4480 .025 B PY4AQA 12160040 YV4AB 529 5112 50.025 B LW2EQS 12200301 YV4AB 539>GG46 4256 50.026 B PY5EW 12210122 YV4AB 519>GG461P 4228 .026 B PY5EW
                                                                                                                                                          Postscript
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DX listings for this bulletin were cut off at December 21, 2008 due to the unprecedented volume of 6m activity reports from the southern hemisphere due to Sporadic E and Transequatorial Propagation. Africa was noticeably absent. This activity is continuing through early January and may result in an even earlier cutoff next month.